



Full wwPDB NMR Structure Validation Report ⓘ

Jun 5, 2023 – 04:06 AM EDT

PDB ID : 2LXP
BMRB ID : 18688
Title : NMR structure of two domains in ubiquitin ligase gp78, RING and G2BR, bound to its conjugating enzyme Ube2g
Authors : Das, R.; Linag, Y.; Mariano, J.; Li, J.; Huang, T.; King, A.; Weissman, A.; Ji, X.; Byrd, R.
Deposited on : 2012-08-30

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We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.33

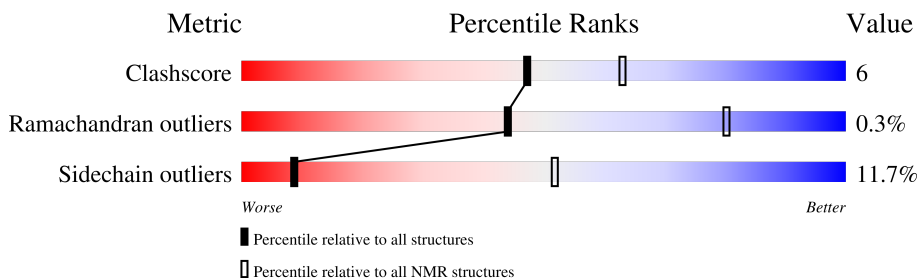
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 3%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



| Metric | Whole archive (#Entries) | NMR archive (#Entries) |
|-----------------------|-----------------------------|---------------------------|
| Clashscore | 158937 | 12864 |
| Ramachandran outliers | 154571 | 11451 |
| Sidechain outliers | 154315 | 11428 |

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

| Mol | Chain | Length | Quality of chain |
|-----|-------|--------|------------------|
| 1 | A | 164 | |
| 2 | B | 27 | |
| 3 | C | 58 | |

2 Ensemble composition and analysis i

This entry contains 20 models. Model 14 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

| Well-defined (core) protein residues | | | |
|--------------------------------------|---|-------------------|--------------|
| Well-defined core | Residue range (total) | Backbone RMSD (Å) | Medoid model |
| 1 | A:2-A:96, A:108-A:165, B:574-B:600, C:327-C:384 (238) | 0.48 | 14 |

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 5 clusters and 2 single-model clusters were found.

| Cluster number | Models |
|-----------------------|------------------------|
| 1 | 4, 6, 7, 8, 15, 17, 18 |
| 2 | 5, 14, 16, 20 |
| 3 | 1, 9, 11 |
| 4 | 2, 10 |
| 5 | 13, 19 |
| Single-model clusters | 3; 12 |

3 Entry composition [i](#)

There are 4 unique types of molecules in this entry. The entry contains 3795 atoms, of which 1880 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Ubiquitin-conjugating enzyme E2 G2.

| Mol | Chain | Residues | Atoms | | | | | Trace | |
|-----|-------|----------|-------|-----|------|-----|-----|-------|---|
| | | | Total | C | H | N | O | | S |
| 1 | A | 156 | 2444 | 793 | 1213 | 200 | 228 | 10 | 0 |

- Molecule 2 is a protein called E3 ubiquitin-protein ligase AMFR.

| Mol | Chain | Residues | Atoms | | | | | Trace | |
|-----|-------|----------|-------|-----|-----|----|----|-------|---|
| | | | Total | C | H | N | O | | S |
| 2 | B | 27 | 483 | 142 | 248 | 50 | 42 | 1 | 0 |

- Molecule 3 is a protein called E3 ubiquitin-protein ligase AMFR.

| Mol | Chain | Residues | Atoms | | | | | Trace | |
|-----|-------|----------|-------|-----|-----|----|----|-------|---|
| | | | Total | C | H | N | O | | S |
| 3 | C | 58 | 866 | 272 | 419 | 80 | 87 | 8 | 0 |

- Molecule 4 is ZINC ION (three-letter code: ZN) (formula: Zn).

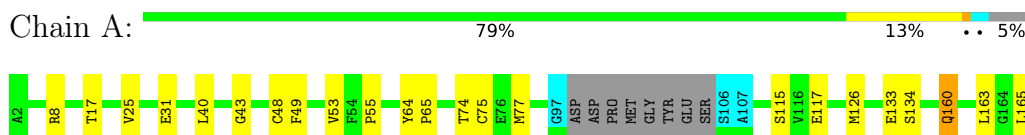
| Mol | Chain | Residues | Atoms | |
|-----|-------|----------|-------|----|
| | | | Total | Zn |
| 4 | C | 2 | 2 | 2 |

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

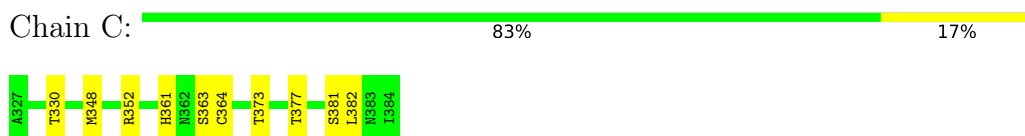
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR



- Molecule 3: E3 ubiquitin-protein ligase AMFR

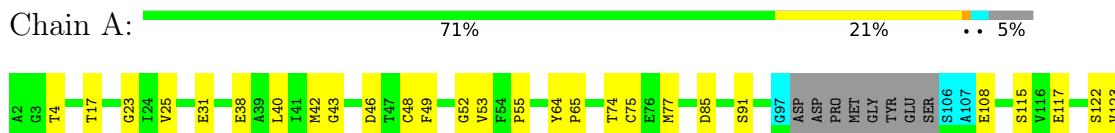


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

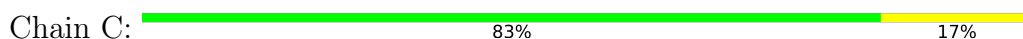




- Molecule 2: E3 ubiquitin-protein ligase AMFR

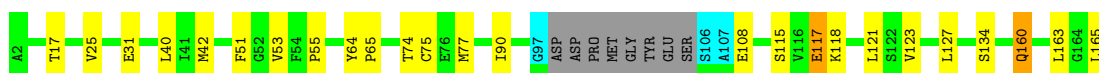
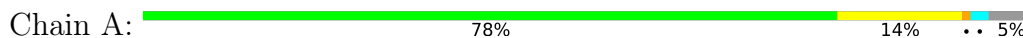


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.2 Score per residue for model 2

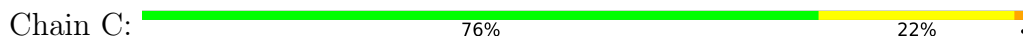
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

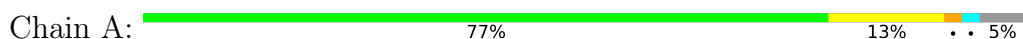


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.3 Score per residue for model 3

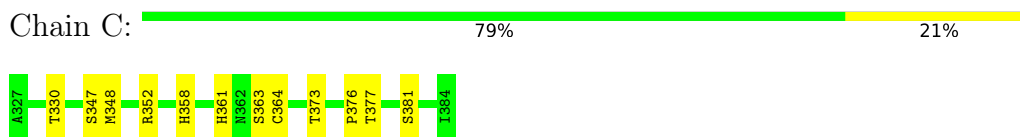
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

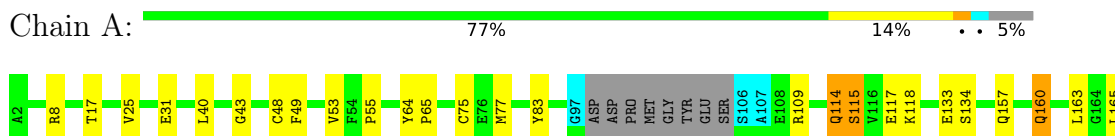


- Molecule 3: E3 ubiquitin-protein ligase AMFR

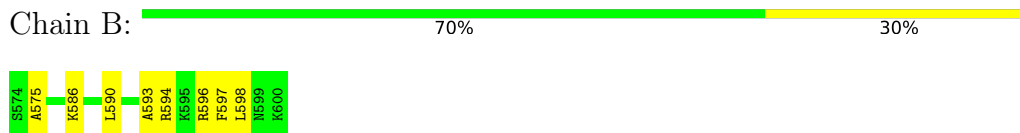


4.2.4 Score per residue for model 4

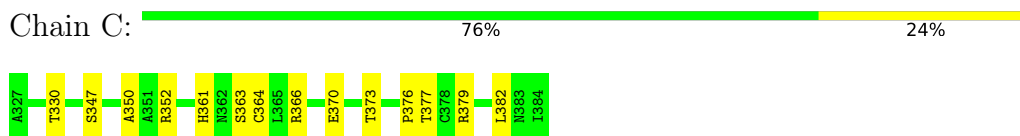
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

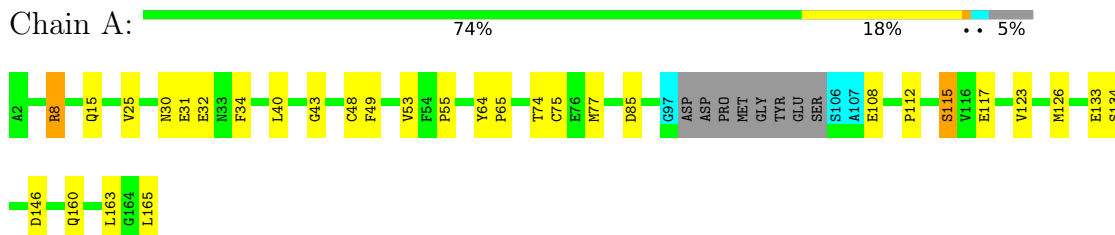


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.5 Score per residue for model 5

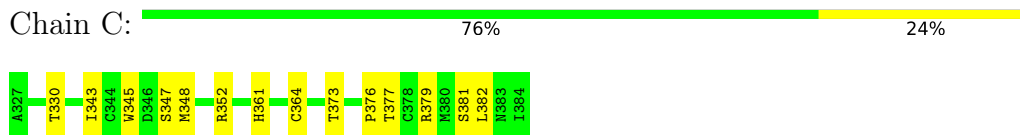
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

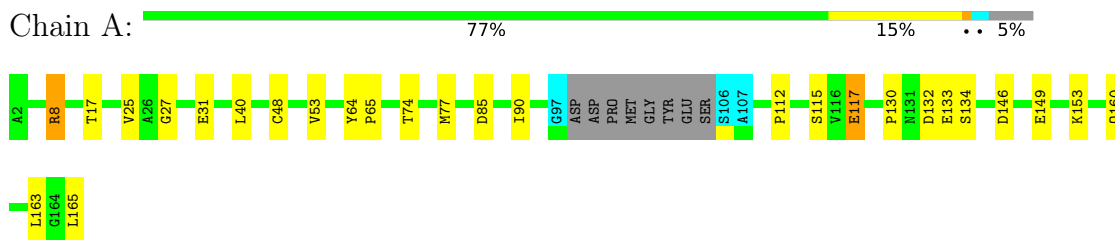


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.6 Score per residue for model 6

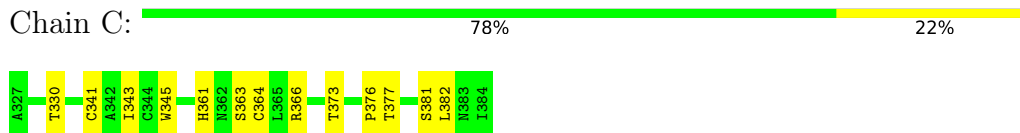
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

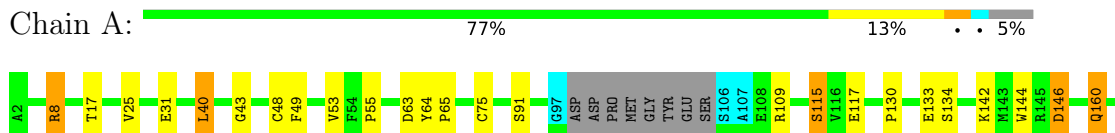


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.7 Score per residue for model 7

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



L165

- Molecule 2: E3 ubiquitin-protein ligase AMFR

Chain B: 67% 30%

- Molecule 3: E3 ubiquitin-protein ligase AMFR

Chain C: 78% 21%

4.2.8 Score per residue for model 8

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

Chain A: 76% 16% 5%

- Molecule 2: E3 ubiquitin-protein ligase AMFR

Chain B: 41% 52% 7%

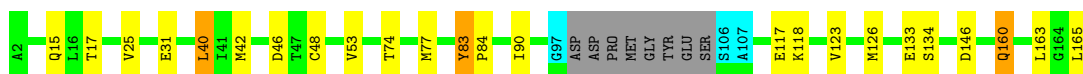
- Molecule 3: E3 ubiquitin-protein ligase AMFR

Chain C: 81% 19%

4.2.9 Score per residue for model 9

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

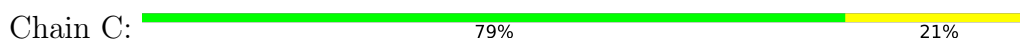
Chain A: 79% 13% 5%



- Molecule 2: E3 ubiquitin-protein ligase AMFR

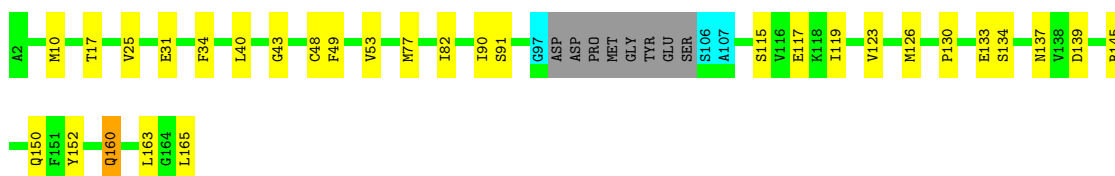
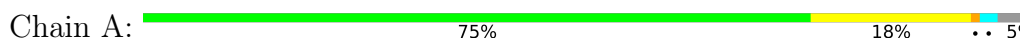


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.10 Score per residue for model 10

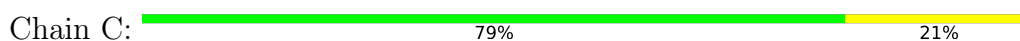
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

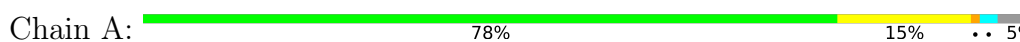


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.11 Score per residue for model 11

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

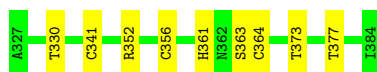
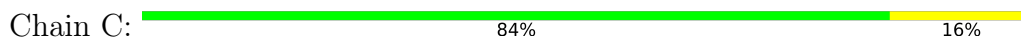




- Molecule 2: E3 ubiquitin-protein ligase AMFR

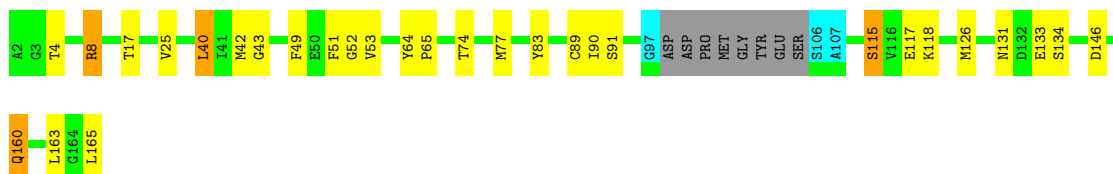
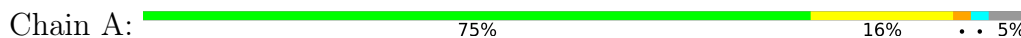


- Molecule 3: E3 ubiquitin-protein ligase AMFR

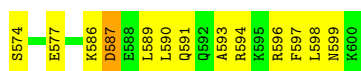


4.2.12 Score per residue for model 12

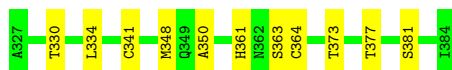
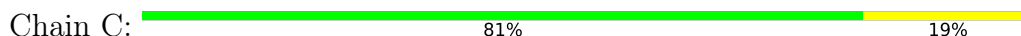
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR



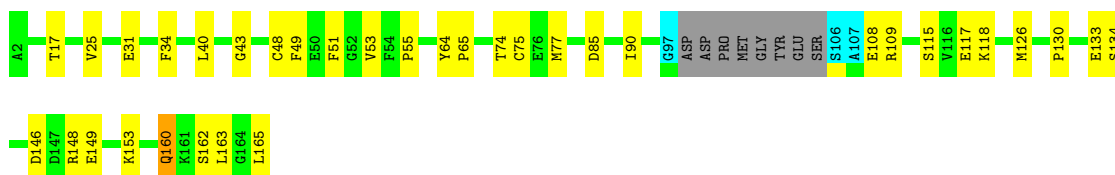
- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.13 Score per residue for model 13

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

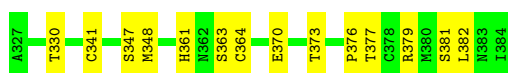
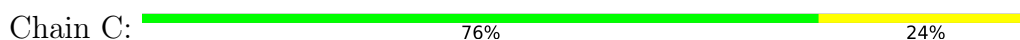




- Molecule 2: E3 ubiquitin-protein ligase AMFR

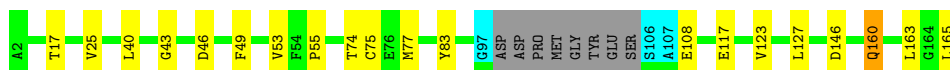
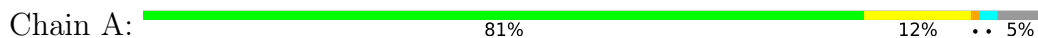


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.14 Score per residue for model 14 (medoid)

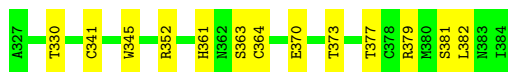
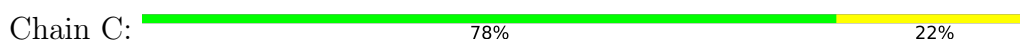
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR



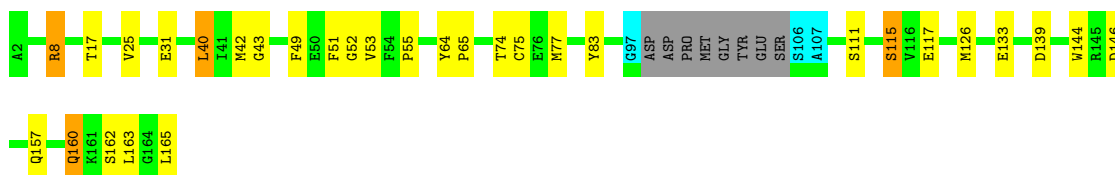
- Molecule 3: E3 ubiquitin-protein ligase AMFR



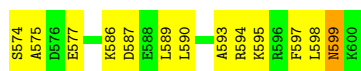
4.2.15 Score per residue for model 15

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2

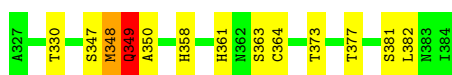
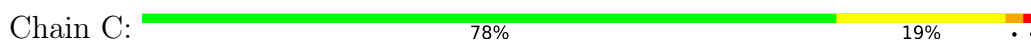




- Molecule 2: E3 ubiquitin-protein ligase AMFR

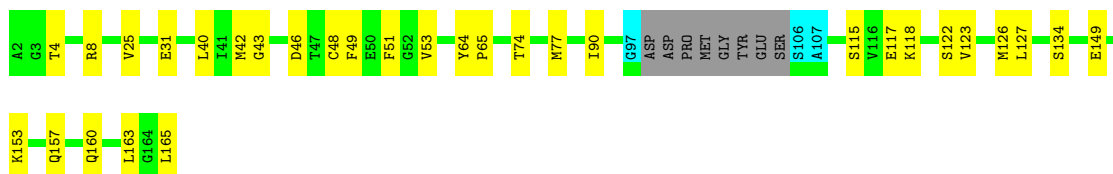


- Molecule 3: E3 ubiquitin-protein ligase AMFR

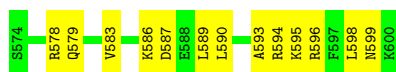


4.2.16 Score per residue for model 16

- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

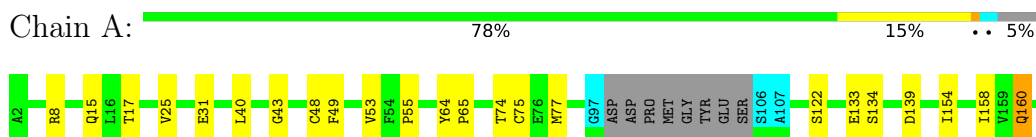


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.17 Score per residue for model 17

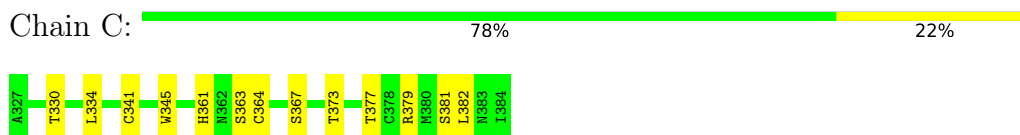
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

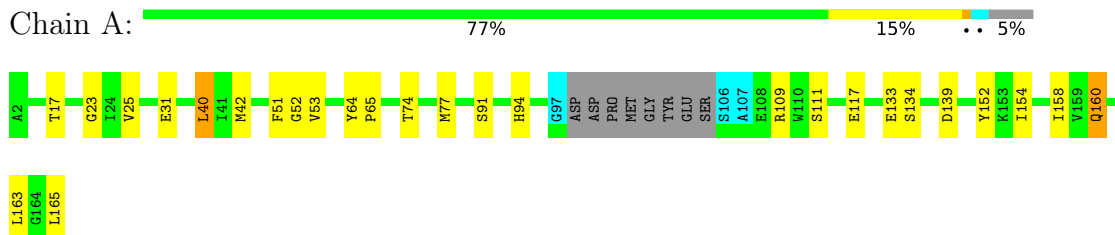


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.18 Score per residue for model 18

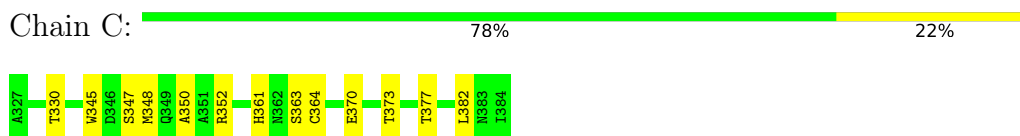
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

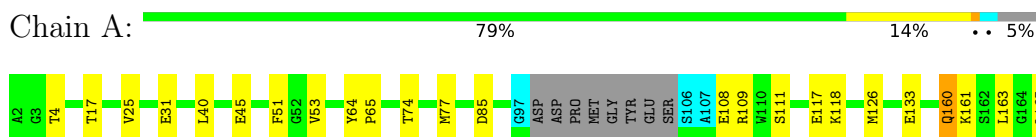


- Molecule 3: E3 ubiquitin-protein ligase AMFR



4.2.19 Score per residue for model 19

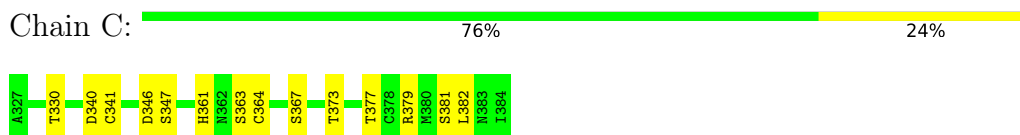
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR

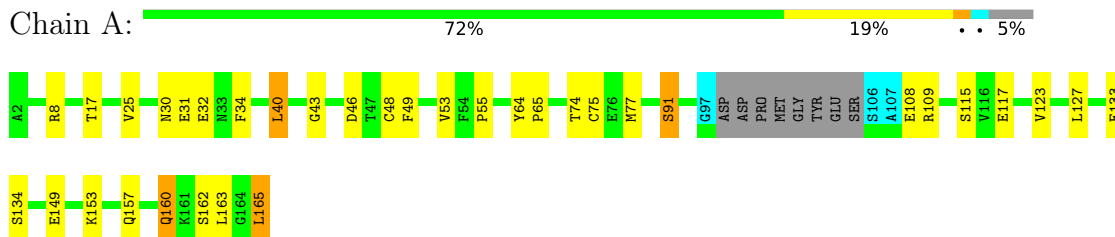


- Molecule 3: E3 ubiquitin-protein ligase AMFR

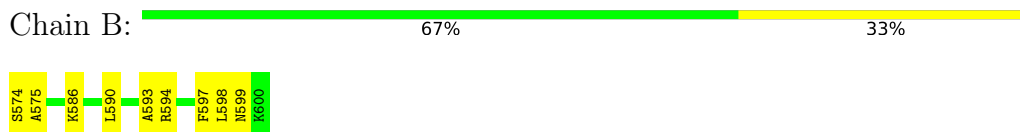


4.2.20 Score per residue for model 20

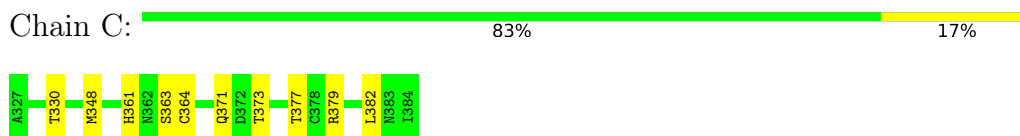
- Molecule 1: Ubiquitin-conjugating enzyme E2 G2



- Molecule 2: E3 ubiquitin-protein ligase AMFR



- Molecule 3: E3 ubiquitin-protein ligase AMFR



5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing*.

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *Lowest Haddock Scores*.

The following table shows the software used for structure solution, optimisation and refinement.

| Software name | Classification | Version |
|---------------|--------------------|---------|
| X-PLOR NIH | structure solution | |
| CNS | structure solution | |
| X-PLOR NIH | refinement | |

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

| Chemical shift file(s) | working_cs.cif |
|--|----------------|
| Number of chemical shift lists | 1 |
| Total number of shifts | 110 |
| Number of shifts mapped to atoms | 110 |
| Number of unparsed shifts | 0 |
| Number of shifts with mapping errors | 0 |
| Number of shifts with mapping warnings | 0 |
| Assignment completeness (well-defined parts) | 3% |

6 Model quality i

6.1 Standard geometry i

Bond lengths and bond angles in the following residue types are not validated in this section:
ZN

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in each chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes averaged over the ensemble.

| Mol | Chain | Non-H | H(model) | H(added) | Clashes |
|-----|-------|-------|----------|----------|---------|
| 1 | A | 1216 | 1200 | 1197 | 20±3 |
| 2 | B | 235 | 248 | 247 | 16±2 |
| 3 | C | 447 | 419 | 416 | 3±3 |
| All | All | 38000 | 37340 | 37200 | 479 |

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 6.

All unique clashes are listed below, sorted by their clash magnitude.

| Atom-1 | Atom-2 | Clash(Å) | Distance(Å) | Models | |
|-----------------|-----------------|----------|-------------|--------|-------|
| | | | | Worst | Total |
| 3:C:348:MET:CE | 3:C:349:GLN:HB2 | 1.06 | 1.80 | 15 | 1 |
| 1:A:53:VAL:HG21 | 2:B:590:LEU:HA | 1.03 | 1.28 | 2 | 20 |
| 3:C:348:MET:CE | 3:C:349:GLN:CB | 1.02 | 2.37 | 15 | 1 |
| 3:C:348:MET:HE3 | 3:C:349:GLN:HB2 | 1.02 | 1.28 | 15 | 1 |
| 3:C:348:MET:HE2 | 3:C:349:GLN:N | 0.97 | 1.75 | 15 | 1 |
| 3:C:348:MET:HE2 | 3:C:349:GLN:CA | 0.91 | 1.94 | 15 | 1 |
| 3:C:348:MET:CE | 3:C:349:GLN:N | 0.90 | 2.34 | 15 | 1 |
| 3:C:348:MET:HE2 | 3:C:350:ALA:N | 0.82 | 1.90 | 15 | 1 |
| 3:C:348:MET:CE | 3:C:350:ALA:H | 0.79 | 1.91 | 15 | 1 |
| 3:C:348:MET:CE | 3:C:349:GLN:CA | 0.76 | 2.63 | 15 | 1 |

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| Atom-1 | Atom-2 | Clash(Å) | Distance(Å) | Models | |
|------------------|------------------|----------|-------------|--------|-------|
| | | | | Worst | Total |
| 2:B:574:SER:N | 2:B:577:GLU:HB2 | 0.71 | 2.00 | 15 | 13 |
| 1:A:25:VAL:HG23 | 2:B:589:LEU:HD22 | 0.69 | 1.61 | 9 | 6 |
| 1:A:165:LEU:HD21 | 2:B:594:ARG:HD3 | 0.69 | 1.64 | 20 | 15 |
| 3:C:361:HIS:HB2 | 3:C:364:CYS:SG | 0.68 | 2.28 | 14 | 20 |
| 1:A:163:LEU:HD22 | 2:B:594:ARG:HG3 | 0.68 | 1.65 | 2 | 18 |
| 3:C:348:MET:HE2 | 3:C:350:ALA:H | 0.67 | 1.43 | 15 | 1 |
| 1:A:42:MET:HB2 | 2:B:589:LEU:HD11 | 0.67 | 1.65 | 12 | 9 |
| 1:A:40:LEU:HD12 | 2:B:586:LYS:HG2 | 0.65 | 1.68 | 4 | 17 |
| 1:A:163:LEU:HD21 | 2:B:593:ALA:HB3 | 0.64 | 1.68 | 10 | 18 |
| 3:C:348:MET:HE2 | 3:C:349:GLN:H | 0.62 | 1.55 | 15 | 1 |
| 1:A:31:GLU:HG3 | 2:B:575:ALA:O | 0.62 | 1.94 | 2 | 15 |
| 1:A:165:LEU:HD13 | 2:B:598:LEU:HD21 | 0.62 | 1.72 | 12 | 20 |
| 1:A:25:VAL:HG11 | 2:B:586:LYS:HG3 | 0.61 | 1.71 | 17 | 20 |
| 1:A:55:PRO:HD2 | 1:A:75:CYS:SG | 0.60 | 2.36 | 20 | 13 |
| 1:A:163:LEU:HD22 | 2:B:594:ARG:CG | 0.60 | 2.27 | 11 | 19 |
| 3:C:348:MET:HE2 | 3:C:349:GLN:C | 0.59 | 2.18 | 15 | 1 |
| 1:A:25:VAL:CG1 | 2:B:586:LYS:HG3 | 0.58 | 2.27 | 1 | 16 |
| 1:A:40:LEU:CG | 2:B:586:LYS:HG2 | 0.58 | 2.28 | 1 | 16 |
| 1:A:40:LEU:HD11 | 2:B:586:LYS:HG2 | 0.58 | 1.74 | 12 | 3 |
| 1:A:51:PHE:CE1 | 2:B:596:ARG:HB3 | 0.57 | 2.34 | 8 | 7 |
| 1:A:40:LEU:CD1 | 2:B:586:LYS:HG2 | 0.57 | 2.29 | 4 | 17 |
| 1:A:108:GLU:OE2 | 3:C:379:ARG:NH2 | 0.57 | 2.30 | 2 | 1 |
| 1:A:163:LEU:HD21 | 2:B:593:ALA:CB | 0.57 | 2.29 | 10 | 8 |
| 1:A:160:GLN:NE2 | 2:B:597:PHE:HZ | 0.56 | 1.99 | 9 | 17 |
| 2:B:595:LYS:O | 2:B:599:ASN:HB3 | 0.55 | 2.01 | 15 | 1 |
| 1:A:53:VAL:HB | 2:B:590:LEU:HD13 | 0.54 | 1.79 | 7 | 10 |
| 1:A:23:GLY:HA2 | 2:B:589:LEU:CD1 | 0.54 | 2.33 | 18 | 2 |
| 1:A:64:TYR:CD1 | 1:A:65:PRO:HA | 0.53 | 2.39 | 6 | 16 |
| 1:A:149:GLU:O | 1:A:153:LYS:HG2 | 0.52 | 2.04 | 6 | 4 |
| 1:A:43:GLY:HA3 | 1:A:49:PHE:O | 0.51 | 2.05 | 12 | 14 |
| 1:A:8:ARG:NH2 | 1:A:115:SER:HA | 0.51 | 2.21 | 5 | 7 |
| 1:A:40:LEU:HD12 | 2:B:589:LEU:HD23 | 0.51 | 1.83 | 3 | 2 |
| 1:A:53:VAL:CB | 2:B:590:LEU:HD13 | 0.50 | 2.36 | 7 | 6 |
| 3:C:341:CYS:HB2 | 3:C:361:HIS:CE1 | 0.50 | 2.41 | 17 | 9 |
| 1:A:91:SER:O | 1:A:109:ARG:HA | 0.50 | 2.06 | 20 | 4 |
| 1:A:115:SER:HB2 | 1:A:117:GLU:OE1 | 0.50 | 2.06 | 6 | 1 |
| 1:A:123:VAL:O | 1:A:127:LEU:HG | 0.49 | 2.07 | 16 | 6 |
| 3:C:348:MET:HE3 | 3:C:349:GLN:CB | 0.48 | 2.12 | 15 | 1 |
| 1:A:108:GLU:HA | 3:C:379:ARG:NH1 | 0.47 | 2.23 | 13 | 5 |
| 3:C:366:ARG:O | 3:C:370:GLU:HG3 | 0.47 | 2.10 | 16 | 1 |
| 1:A:30:ASN:OD1 | 1:A:32:GLU:HG2 | 0.47 | 2.10 | 20 | 2 |

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| Atom-1 | Atom-2 | Clash(Å) | Distance(Å) | Models | |
|------------------|------------------|----------|-------------|--------|-------|
| | | | | Worst | Total |
| 1:A:117:GLU:O | 1:A:121:LEU:HG | 0.46 | 2.10 | 2 | 1 |
| 1:A:42:MET:HA | 1:A:52:GLY:O | 0.46 | 2.11 | 15 | 4 |
| 1:A:83:TYR:HE2 | 1:A:89:CYS:HG | 0.45 | 1.54 | 12 | 1 |
| 1:A:40:LEU:HD12 | 2:B:586:LYS:CG | 0.45 | 2.39 | 4 | 11 |
| 1:A:130:PRO:HD2 | 1:A:144:TRP:CH2 | 0.45 | 2.46 | 7 | 1 |
| 1:A:157:GLN:HA | 1:A:160:GLN:OE1 | 0.45 | 2.12 | 20 | 2 |
| 1:A:94:HIS:O | 1:A:109:ARG:HG2 | 0.45 | 2.12 | 18 | 1 |
| 1:A:82:ILE:O | 1:A:137:ASN:HB2 | 0.45 | 2.12 | 10 | 1 |
| 1:A:31:GLU:OE2 | 2:B:578:ARG:HB2 | 0.45 | 2.12 | 16 | 1 |
| 1:A:83:TYR:CD1 | 1:A:84:PRO:HD2 | 0.44 | 2.48 | 9 | 1 |
| 2:B:587:ASP:O | 2:B:591:GLN:HG2 | 0.44 | 2.13 | 12 | 1 |
| 2:B:596:ARG:HA | 2:B:599:ASN:ND2 | 0.44 | 2.27 | 13 | 2 |
| 1:A:25:VAL:HB | 1:A:40:LEU:HB2 | 0.44 | 1.88 | 20 | 1 |
| 1:A:123:VAL:O | 1:A:126:MET:HG2 | 0.44 | 2.13 | 1 | 6 |
| 1:A:53:VAL:HG21 | 2:B:590:LEU:CA | 0.44 | 2.33 | 3 | 1 |
| 3:C:350:ALA:O | 3:C:361:HIS:HA | 0.43 | 2.13 | 9 | 5 |
| 1:A:83:TYR:CD2 | 1:A:84:PRO:HD2 | 0.43 | 2.49 | 8 | 1 |
| 1:A:31:GLU:HG2 | 2:B:579:GLN:CG | 0.43 | 2.44 | 16 | 1 |
| 3:C:348:MET:HE3 | 3:C:349:GLN:N | 0.43 | 2.22 | 15 | 1 |
| 1:A:112:PRO:CB | 3:C:343:ILE:HA | 0.43 | 2.44 | 5 | 2 |
| 1:A:160:GLN:NE2 | 2:B:597:PHE:CZ | 0.42 | 2.87 | 17 | 3 |
| 3:C:348:MET:CE | 3:C:350:ALA:N | 0.42 | 2.62 | 15 | 1 |
| 2:B:579:GLN:O | 2:B:583:VAL:HG23 | 0.42 | 2.15 | 8 | 2 |
| 1:A:51:PHE:O | 2:B:593:ALA:HB1 | 0.42 | 2.13 | 13 | 2 |
| 1:A:154:ILE:O | 1:A:158:ILE:HG12 | 0.42 | 2.14 | 18 | 3 |
| 1:A:108:GLU:HB2 | 3:C:379:ARG:CZ | 0.41 | 2.45 | 19 | 1 |
| 1:A:150:GLN:OE1 | 1:A:150:GLN:HA | 0.41 | 2.15 | 10 | 1 |
| 3:C:358:HIS:CE1 | 3:C:377:THR:HB | 0.41 | 2.51 | 2 | 1 |
| 3:C:366:ARG:O | 3:C:370:GLU:HB2 | 0.41 | 2.16 | 4 | 1 |
| 1:A:114:GLN:HE21 | 1:A:114:GLN:HA | 0.41 | 1.74 | 4 | 1 |
| 1:A:40:LEU:HG | 2:B:586:LYS:HG2 | 0.41 | 1.93 | 5 | 1 |
| 1:A:142:LYS:O | 1:A:146:ASP:HB2 | 0.41 | 2.16 | 7 | 1 |
| 1:A:27:GLY:HA3 | 2:B:582:LEU:HD21 | 0.40 | 1.92 | 6 | 1 |
| 1:A:119:ILE:O | 1:A:123:VAL:HG23 | 0.40 | 2.16 | 10 | 1 |
| 1:A:83:TYR:HE2 | 1:A:89:CYS:SG | 0.40 | 2.39 | 12 | 1 |
| 2:B:584:GLN:O | 2:B:588:GLU:HG3 | 0.40 | 2.16 | 8 | 1 |
| 2:B:584:GLN:O | 2:B:588:GLU:HG2 | 0.40 | 2.16 | 13 | 1 |

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

| Mol | Chain | Analysed | Favoured | Allowed | Outliers | Percentiles | |
|-----|-------|-----------------|---------------|-------------|------------|-------------|-----|
| 1 | A | 151/164 (92%) | 143±2 (95±1%) | 8±2 (5±1%) | 0±1 (0±0%) | 50 | 82 |
| 2 | B | 25/27 (93%) | 21±0 (82±2%) | 4±0 (18±2%) | 0±0 (0±0%) | 100 | 100 |
| 3 | C | 56/58 (97%) | 47±2 (83±4%) | 9±2 (16±4%) | 0±0 (1±1%) | 21 | 69 |
| All | All | 4640/4980 (93%) | 4200 (91%) | 425 (9%) | 15 (0%) | 44 | 80 |

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 3 | C | 376 | PRO | 8 |
| 1 | A | 130 | PRO | 3 |
| 3 | C | 349 | GLN | 2 |
| 1 | A | 132 | ASP | 1 |
| 1 | A | 148 | ARG | 1 |

6.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the sidechain conformation was analysed and the total number of residues.

| Mol | Chain | Analysed | Rotameric | Outliers | Percentiles | |
|-----|-------|-----------------|---------------|--------------|-------------|----|
| 1 | A | 134/142 (94%) | 121±2 (90±2%) | 13±2 (10±2%) | 11 | 56 |
| 2 | B | 25/25 (100%) | 22±1 (90±4%) | 3±1 (10±4%) | 10 | 55 |
| 3 | C | 51/51 (100%) | 42±1 (83±3%) | 9±1 (17±3%) | 5 | 40 |
| All | All | 4200/4360 (96%) | 3709 (88%) | 491 (12%) | 9 | 52 |

All 74 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 1 | A | 160 | GLN | 20 |
| 3 | C | 330 | THR | 20 |
| 3 | C | 377 | THR | 20 |
| 1 | A | 117 | GLU | 19 |
| 1 | A | 77 | MET | 18 |
| 3 | C | 363 | SER | 18 |
| 1 | A | 17 | THR | 17 |
| 1 | A | 74 | THR | 17 |
| 1 | A | 133 | GLU | 17 |
| 1 | A | 134 | SER | 17 |
| 3 | C | 373 | THR | 17 |
| 3 | C | 382 | LEU | 15 |
| 1 | A | 48 | CYS | 14 |
| 1 | A | 115 | SER | 13 |
| 2 | B | 576 | ASP | 13 |
| 3 | C | 352 | ARG | 12 |
| 3 | C | 381 | SER | 12 |
| 2 | B | 599 | ASN | 11 |
| 3 | C | 348 | MET | 11 |
| 1 | A | 90 | ILE | 10 |
| 3 | C | 347 | SER | 10 |
| 1 | A | 8 | ARG | 9 |
| 1 | A | 146 | ASP | 9 |
| 1 | A | 118 | LYS | 8 |
| 2 | B | 574 | SER | 7 |
| 3 | C | 345 | TRP | 7 |
| 1 | A | 40 | LEU | 7 |
| 1 | A | 46 | ASP | 6 |
| 1 | A | 91 | SER | 6 |
| 2 | B | 587 | ASP | 6 |
| 1 | A | 85 | ASP | 5 |
| 1 | A | 83 | TYR | 5 |
| 1 | A | 34 | PHE | 5 |
| 1 | A | 126 | MET | 5 |
| 1 | A | 4 | THR | 4 |
| 3 | C | 371 | GLN | 4 |
| 3 | C | 358 | HIS | 4 |
| 2 | B | 596 | ARG | 4 |
| 3 | C | 370 | GLU | 4 |
| 1 | A | 139 | ASP | 4 |
| 1 | A | 122 | SER | 3 |
| 1 | A | 157 | GLN | 3 |
| 1 | A | 109 | ARG | 3 |

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| Mol | Chain | Res | Type | Models (Total) |
|-----|-------|-----|------|----------------|
| 3 | C | 379 | ARG | 3 |
| 1 | A | 15 | GLN | 3 |
| 2 | B | 600 | LYS | 3 |
| 3 | C | 367 | SER | 3 |
| 1 | A | 162 | SER | 3 |
| 1 | A | 111 | SER | 3 |
| 2 | B | 589 | LEU | 2 |
| 2 | B | 592 | GLN | 2 |
| 3 | C | 349 | GLN | 2 |
| 3 | C | 346 | ASP | 2 |
| 1 | A | 152 | TYR | 2 |
| 1 | A | 45 | GLU | 2 |
| 3 | C | 334 | LEU | 2 |
| 2 | B | 595 | LYS | 2 |
| 3 | C | 340 | ASP | 2 |
| 1 | A | 38 | GLU | 1 |
| 1 | A | 114 | GLN | 1 |
| 2 | B | 581 | MET | 1 |
| 3 | C | 366 | ARG | 1 |
| 1 | A | 63 | ASP | 1 |
| 3 | C | 332 | GLU | 1 |
| 3 | C | 369 | LEU | 1 |
| 1 | A | 10 | MET | 1 |
| 1 | A | 145 | ARG | 1 |
| 1 | A | 62 | LEU | 1 |
| 3 | C | 356 | CYS | 1 |
| 1 | A | 131 | ASN | 1 |
| 2 | B | 577 | GLU | 1 |
| 1 | A | 144 | TRP | 1 |
| 1 | A | 161 | LYS | 1 |
| 1 | A | 165 | LEU | 1 |

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

Of 2 ligands modelled in this entry, 2 are monoatomic - leaving 0 for Mogul analysis.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 3% for the well-defined parts and 3% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping [i](#)

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

| | |
|---|-----|
| Total number of shifts | 110 |
| Number of shifts mapped to atoms | 110 |
| Number of unparsed shifts | 0 |
| Number of shifts with mapping errors | 0 |
| Number of shifts with mapping warnings | 0 |
| Number of shift outliers (ShiftChecker) | 0 |

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

| Nucleus | # values | Correction \pm precision, ppm | Suggested action |
|------------------------|----------|---------------------------------|--------------------------|
| $^{13}\text{C}_\alpha$ | 0 | — | None (insufficient data) |
| $^{13}\text{C}_\beta$ | 0 | — | None (insufficient data) |
| $^{13}\text{C}'$ | 0 | — | None (insufficient data) |
| ^{15}N | 55 | 0.44 \pm 0.32 | None needed (< 0.5 ppm) |

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 3%, i.e. 109 atoms were assigned a chemical shift out of a possible 3272. 0 out of 36 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

| | Total | ^1H | ^{13}C | ^{15}N |
|-----------|---------------|--------------|-----------------|-----------------|
| Backbone | 109/1165 (9%) | 54/468 (12%) | 0/476 (0%) | 55/221 (25%) |
| Sidechain | 0/1873 (0%) | 0/1216 (0%) | 0/581 (0%) | 0/76 (0%) |

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| | Total | ¹ H | ¹³ C | ¹⁵ N |
|----------|---------------|----------------|-----------------|-----------------|
| Aromatic | 0/234 (0%) | 0/117 (0%) | 0/108 (0%) | 0/9 (0%) |
| Overall | 109/3272 (3%) | 54/1801 (3%) | 0/1165 (0%) | 55/306 (18%) |

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 3%, i.e. 109 atoms were assigned a chemical shift out of a possible 3295. 0 out of 36 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

| | Total | ¹ H | ¹³ C | ¹⁵ N |
|-----------|---------------|----------------|-----------------|-----------------|
| Backbone | 109/1181 (9%) | 54/475 (11%) | 0/482 (0%) | 55/224 (25%) |
| Sidechain | 0/1880 (0%) | 0/1221 (0%) | 0/583 (0%) | 0/76 (0%) |
| Aromatic | 0/234 (0%) | 0/117 (0%) | 0/108 (0%) | 0/9 (0%) |
| Overall | 109/3295 (3%) | 54/1813 (3%) | 0/1173 (0%) | 55/309 (18%) |

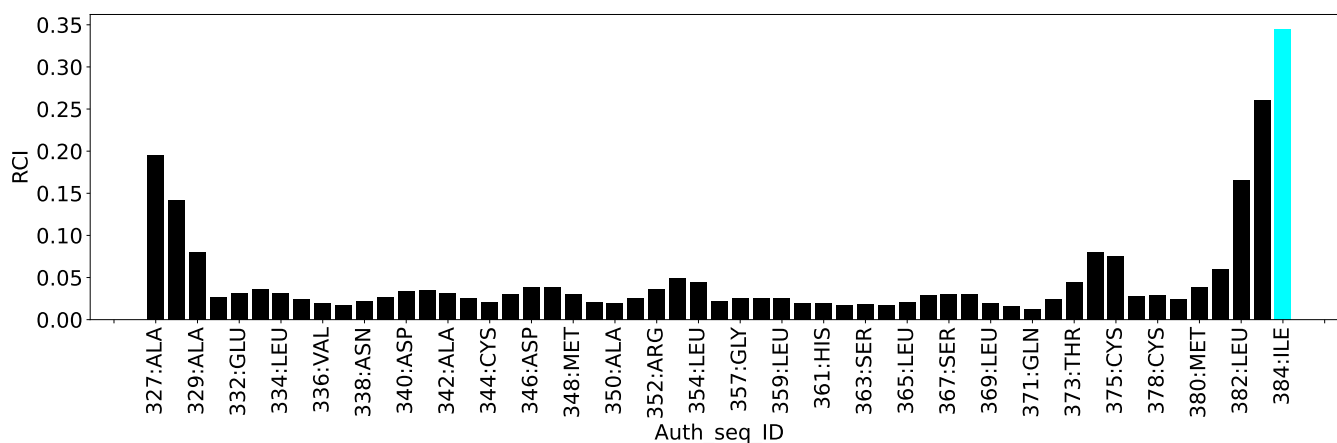
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots [i](#)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain C:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

| Description | Value |
|--|-------|
| Total distance restraints | 65 |
| Intra-residue ($ i-j =0$) | 0 |
| Sequential ($ i-j =1$) | 0 |
| Medium range ($ i-j >1$ and $ i-j <5$) | 0 |
| Long range ($ i-j \geq 5$) | 2 |
| Inter-chain | 45 |
| Hydrogen bond restraints | 0 |
| Disulfide bond restraints | 18 |
| Total dihedral-angle restraints | 0 |
| Number of unmapped restraints | 0 |
| Number of restraints per residue | 0.3 |
| Number of long range restraints per residue ¹ | 0.1 |

¹Long range hydrogen bonds and disulfide bonds are counted as long range restraints while calculating the number of long range restraints per residue

8.2 Residual restraint violations

This section provides the overview of the restraint violations analysis. The violations are binned as small, medium and large violations based on its absolute value. Average number of violations per model is calculated by dividing the total number of violations in each bin by the size of the ensemble.

8.2.1 Average number of distance violations per model

Distance violations less than 0.1 Å are not included in the calculation.

| Bins (Å) | Average number of violations per model | Max (Å) |
|------------------|--|---------|
| 0.1-0.2 (Small) | 0.8 | 0.19 |
| 0.2-0.5 (Medium) | 1.1 | 0.49 |
| >0.5 (Large) | 7.1 | 7.22 |

8.2.2 Average number of dihedral-angle violations per model

Dihedral-angle violations less than 1° are not included in the calculation. There are no dihedral-angle violations

9 Distance violation analysis

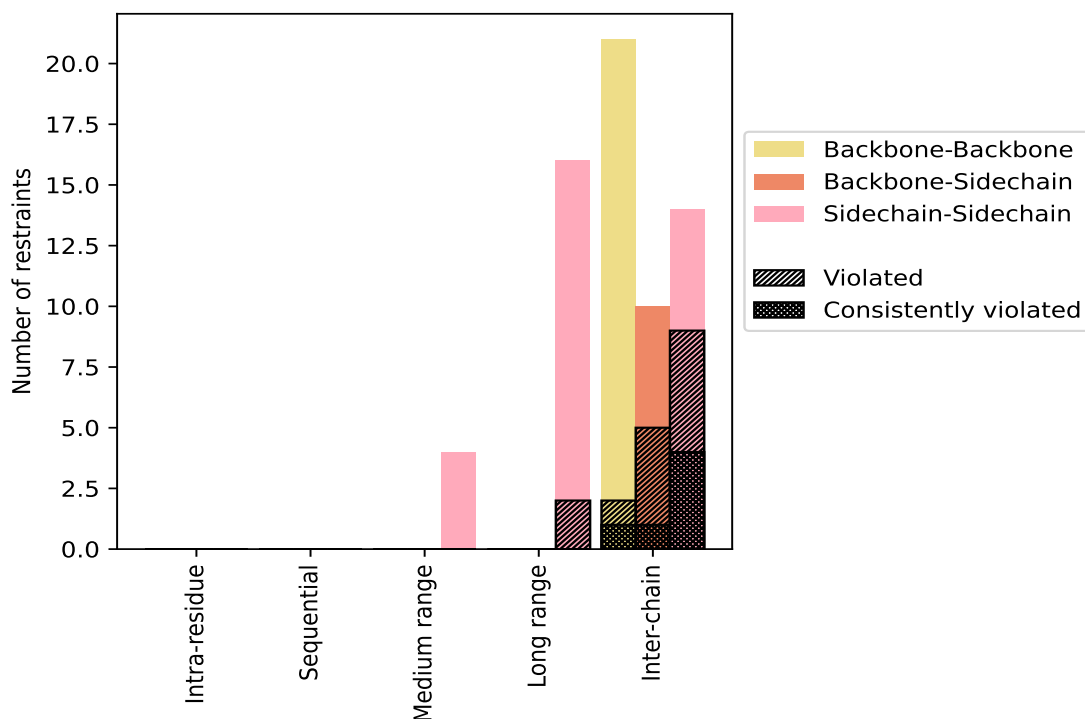
9.1 Summary of distance violations

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

| Restrains type | Count | % ¹ | Violated ³ | | | Consistently Violated ⁴ | | |
|---|-------|----------------|-----------------------|----------------|----------------|------------------------------------|----------------|----------------|
| | | | Count | % ² | % ¹ | Count | % ² | % ¹ |
| Intra-residue (i-j =0) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sequential (i-j =1) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Medium range (i-j >1 & i-j <5) | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Long range (i-j ≥5) | 2 | 3.1 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Backbone | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Backbone-Sidechain | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Sidechain-Sidechain | 2 | 3.1 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Inter-chain | 45 | 69.2 | 16 | 35.6 | 24.6 | 6 | 13.3 | 9.2 |
| Backbone-Backbone | 21 | 32.3 | 2 | 9.5 | 3.1 | 1 | 4.8 | 1.5 |
| Backbone-Sidechain | 10 | 15.4 | 5 | 50.0 | 7.7 | 1 | 10.0 | 1.5 |
| Sidechain-Sidechain | 14 | 21.5 | 9 | 64.3 | 13.8 | 4 | 28.6 | 6.2 |
| Hydrogen bond | 0 | 0.0 | 0 | 0.0 | 0.0 | 0 | 0.0 | 0.0 |
| Disulfide bond | 18 | 27.7 | 2 | 11.1 | 3.1 | 0 | 0.0 | 0.0 |
| Total | 65 | 100.0 | 18 | 27.7 | 27.7 | 6 | 9.2 | 9.2 |
| Backbone-Backbone | 21 | 32.3 | 2 | 9.5 | 3.1 | 1 | 4.8 | 1.5 |
| Backbone-Sidechain | 10 | 15.4 | 5 | 50.0 | 7.7 | 1 | 10.0 | 1.5 |
| Sidechain-Sidechain | 34 | 52.3 | 11 | 32.4 | 16.9 | 4 | 11.8 | 6.2 |

¹ percentage calculated with respect to the total number of distance restraints, ² percentage calculated with respect to the number of restraints in a particular restraint category, ³ violated in at least one model, ⁴ violated in all the models

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfid bonds are counted in their appropriate category on the x-axis

9.2 Distance violation statistics for each model [i](#)

The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

| Model ID | Number of violations | | | | | | Mean (Å) | Max (Å) | SD ⁶ (Å) | Median (Å) |
|----------|----------------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------|---------------------|------------|
| | IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | | | | |
| 1 | 0 | 0 | 0 | 1 | 8 | 9 | 2.12 | 5.88 | 2.01 | 1.33 |
| 2 | 0 | 0 | 0 | 1 | 9 | 10 | 1.86 | 5.93 | 1.84 | 1.23 |
| 3 | 0 | 0 | 0 | 0 | 9 | 9 | 2.29 | 6.17 | 2.06 | 1.81 |
| 4 | 0 | 0 | 0 | 0 | 10 | 10 | 2.2 | 6.01 | 2.04 | 1.34 |
| 5 | 0 | 0 | 0 | 0 | 9 | 9 | 2.03 | 6.24 | 1.95 | 1.66 |
| 6 | 0 | 0 | 0 | 1 | 7 | 8 | 2.5 | 6.12 | 1.91 | 1.8 |
| 7 | 0 | 0 | 0 | 0 | 8 | 8 | 2.89 | 7.11 | 2.39 | 1.44 |
| 8 | 0 | 0 | 0 | 1 | 8 | 9 | 2.74 | 7.22 | 2.38 | 1.95 |
| 9 | 0 | 0 | 0 | 0 | 8 | 8 | 2.32 | 5.95 | 1.88 | 1.44 |
| 10 | 0 | 0 | 0 | 2 | 10 | 12 | 1.62 | 6.0 | 1.95 | 0.54 |
| 11 | 0 | 0 | 0 | 0 | 8 | 8 | 2.15 | 5.78 | 1.8 | 1.59 |

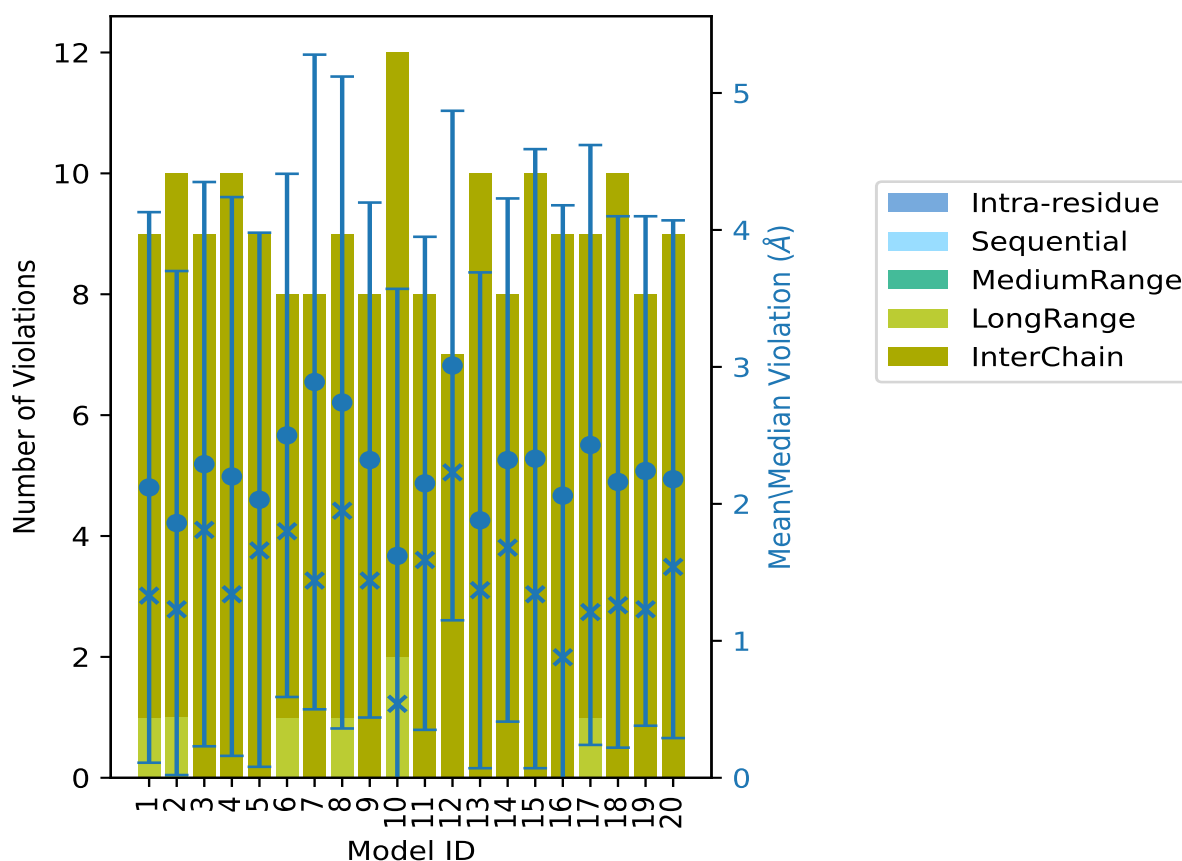
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| Model ID | Number of violations | | | | | | Mean (Å) | Max (Å) | SD ⁶ (Å) | Median (Å) |
|----------|----------------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------|---------------------|------------|
| | IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | | | | |
| 12 | 0 | 0 | 0 | 0 | 7 | 7 | 3.01 | 5.82 | 1.86 | 2.23 |
| 13 | 0 | 0 | 0 | 0 | 10 | 10 | 1.88 | 5.71 | 1.81 | 1.37 |
| 14 | 0 | 0 | 0 | 0 | 8 | 8 | 2.32 | 6.03 | 1.91 | 1.68 |
| 15 | 0 | 0 | 0 | 0 | 10 | 10 | 2.33 | 6.3 | 2.26 | 1.34 |
| 16 | 0 | 0 | 0 | 0 | 9 | 9 | 2.06 | 6.32 | 2.12 | 0.88 |
| 17 | 0 | 0 | 0 | 1 | 8 | 9 | 2.43 | 6.03 | 2.19 | 1.21 |
| 18 | 0 | 0 | 0 | 0 | 10 | 10 | 2.16 | 6.35 | 1.94 | 1.26 |
| 19 | 0 | 0 | 0 | 0 | 8 | 8 | 2.24 | 6.03 | 1.86 | 1.23 |
| 20 | 0 | 0 | 0 | 0 | 9 | 9 | 2.18 | 6.17 | 1.89 | 1.54 |

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints, ⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

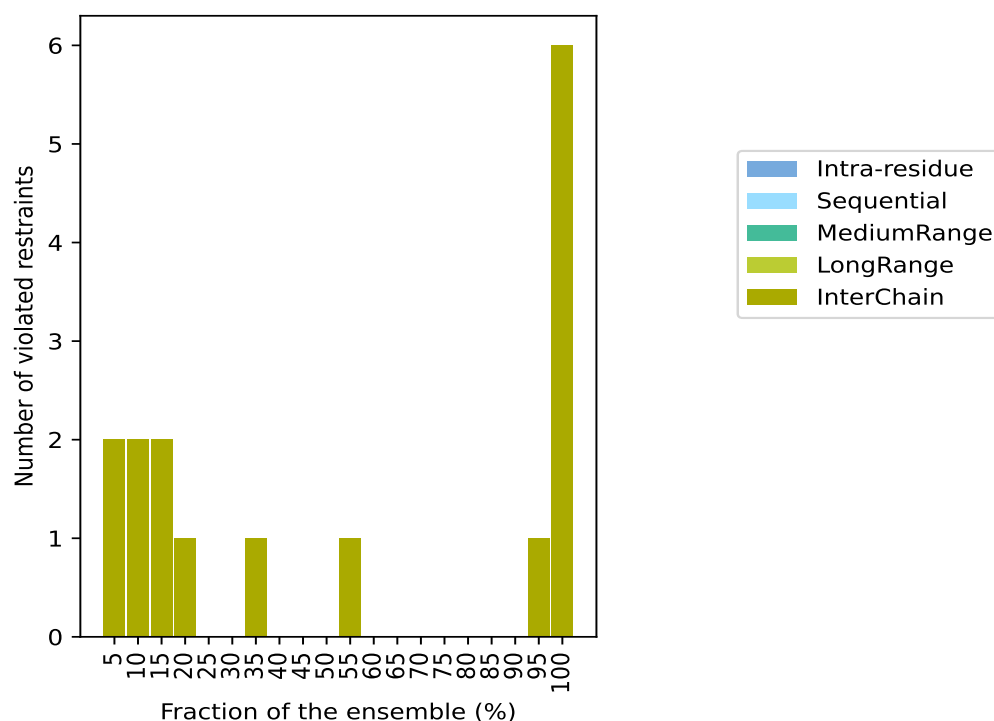
9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 31(IR:0, SQ:0, MR:0, LR:2, IC:29) restraints are not violated in the ensemble.

| Number of violated restraints | | | | | | Fraction of the ensemble | |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-------|--------------------------|-------|
| IR ¹ | SQ ² | MR ³ | LR ⁴ | IC ⁵ | Total | Count ⁶ | % |
| 0 | 0 | 0 | 0 | 2 | 2 | 1 | 5.0 |
| 0 | 0 | 0 | 0 | 2 | 2 | 2 | 10.0 |
| 0 | 0 | 0 | 0 | 2 | 2 | 3 | 15.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 4 | 20.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6 | 30.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 7 | 35.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8 | 40.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 9 | 45.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 10 | 50.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 11 | 55.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 12 | 60.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 13 | 65.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 14 | 70.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 15 | 75.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 16 | 80.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17 | 85.0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 18 | 90.0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 19 | 95.0 |
| 0 | 0 | 0 | 0 | 6 | 6 | 20 | 100.0 |

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints, ⁵Inter-chain restraints, ⁶ Number of models with violations

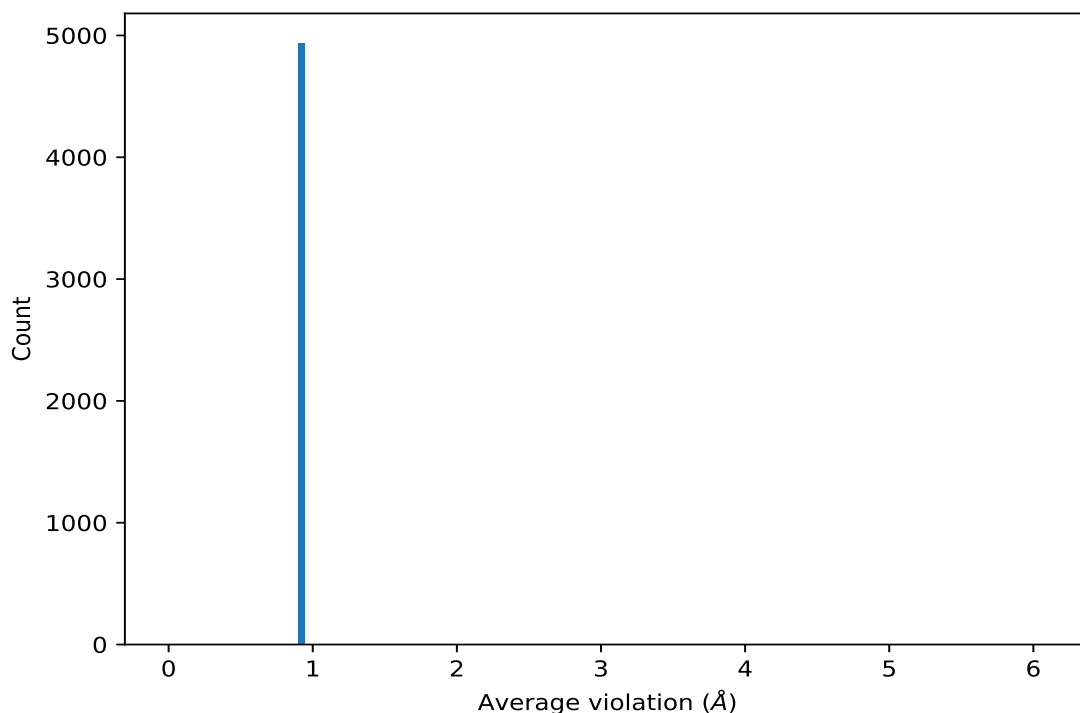
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble



9.4.2 Table: Most violated distance restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 20 | 6.03 | 0.16 | 6.02 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 20 | 4.46 | 0.17 | 4.42 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 20 | 4.05 | 1.52 | 3.54 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 20 | 4.05 | 1.52 | 3.54 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 20 | 1.53 | 0.38 | 1.64 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 20 | 1.53 | 0.38 | 1.64 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 20 | 1.51 | 0.5 | 1.54 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 20 | 0.9 | 0.44 | 0.78 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 20 | 0.9 | 0.44 | 0.78 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|---------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|--------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|-----------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 19 | 0.93 | 0.36 | 1.09 |

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| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 19 | 0.93 | 0.36 | 1.09 |

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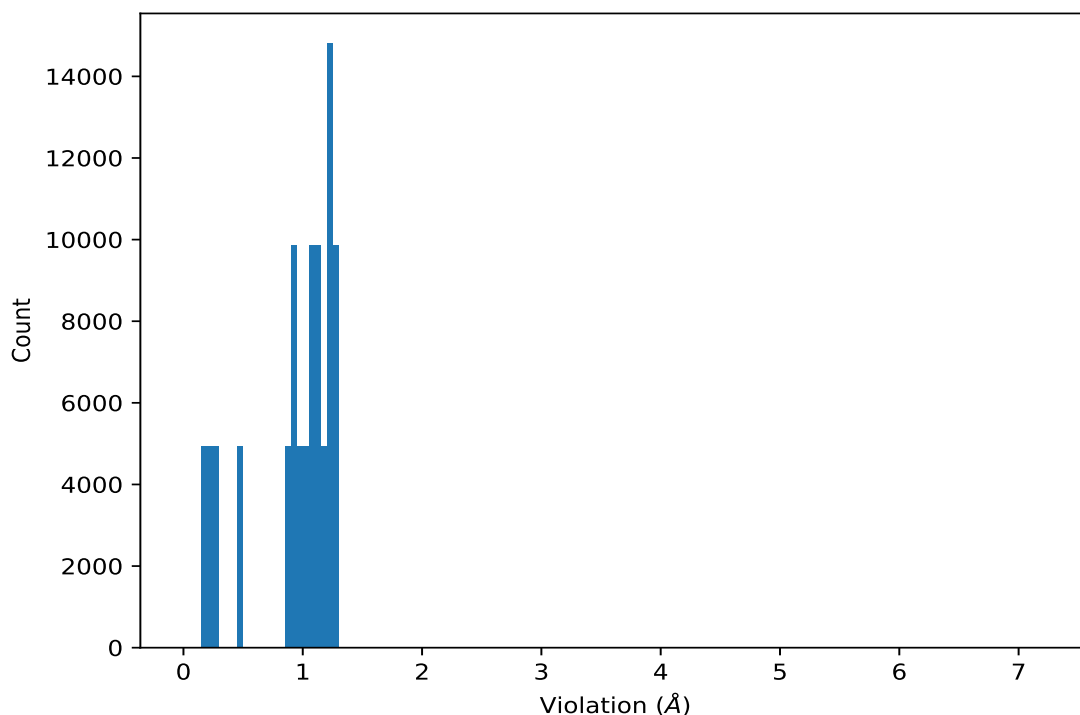
| Key | Atom-1 | Atom-2 | Models ¹ | Mean (Å) | SD ¹ (Å) | Median (Å) |
|--------|-----------------|------------------|---------------------|----------|---------------------|------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 19 | 0.93 | 0.36 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 19 | 0.93 | 0.36 | 1.09 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 11 | 0.49 | 0.45 | 0.37 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 7 | 0.32 | 0.09 | 0.32 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 6 | 0.11 | 0.0 | 0.11 |
| (3,9) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG21 | 4 | 0.31 | 0.13 | 0.31 |
| (3,9) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG21 | 4 | 0.31 | 0.13 | 0.31 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD11 | 3 | 0.58 | 0.23 | 0.68 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD12 | 3 | 0.58 | 0.23 | 0.68 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD13 | 3 | 0.58 | 0.23 | 0.68 |
| (3,8) | 3:C:377:THR:HA | 1:A:113:VAL:HG21 | 3 | 0.48 | 0.23 | 0.62 |
| (3,32) | 3:C:379:ARG:HD3 | 1:A:109:ARG:H | 2 | 0.58 | 0.09 | 0.58 |
| (3,12) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG11 | 2 | 0.46 | 0.09 | 0.46 |
| (3,12) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG11 | 2 | 0.46 | 0.09 | 0.46 |

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

9.5.1 Histogram : Distribution of distance violations [i](#)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



9.5.2 Table : All distance violations [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 8 | 7.22 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 8 | 7.22 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 7 | 7.11 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 7 | 7.11 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 18 | 6.35 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 16 | 6.32 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 15 | 6.3 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 15 | 6.3 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 5 | 6.24 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 3 | 6.17 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 20 | 6.17 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 6 | 6.12 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 15 | 6.06 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 14 | 6.03 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 17 | 6.03 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 19 | 6.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 4 | 6.01 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 10 | 6.0 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 7 | 5.98 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 8 | 5.96 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 9 | 5.95 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 2 | 5.93 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 1 | 5.88 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 12 | 5.82 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 11 | 5.78 |
| (3,30) | 3:C:343:ILE:HB | 1:A:9:LEU:H | 13 | 5.71 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 17 | 5.71 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 17 | 5.71 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 4 | 5.14 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 4 | 5.14 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 12 | 5.1 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 12 | 5.1 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 18 | 4.78 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 16 | 4.77 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 3 | 4.71 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 5 | 4.67 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 20 | 4.62 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 15 | 4.57 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 10 | 4.53 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 17 | 4.45 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 8 | 4.43 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 6 | 4.42 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 7 | 4.42 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 19 | 4.42 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 2 | 4.39 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 14 | 4.38 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 1 | 4.33 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 4 | 4.32 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 11 | 4.32 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 9 | 4.31 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 12 | 4.29 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 1 | 4.16 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 1 | 4.16 |
| (3,29) | 3:C:343:ILE:HA | 1:A:9:LEU:H | 13 | 4.12 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 10 | 4.04 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 10 | 4.04 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 6 | 3.65 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 6 | 3.65 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 3 | 3.54 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 3 | 3.54 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 18 | 3.54 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 18 | 3.54 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 16 | 3.5 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 16 | 3.5 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 13 | 3.4 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 13 | 3.4 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 9 | 3.37 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 9 | 3.37 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 14 | 3.13 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 14 | 3.13 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 3 | 2.86 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 20 | 2.8 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 20 | 2.8 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 2 | 2.78 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 2 | 2.78 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 19 | 2.64 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 19 | 2.64 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 12 | 2.23 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 12 | 2.23 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 11 | 2.13 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 11 | 2.13 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 4 | 2.08 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 8 | 1.98 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 17 | 1.98 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 6 | 1.97 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 6 | 1.97 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 8 | 1.95 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 8 | 1.95 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 1 | 1.87 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 1 | 1.87 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH11 | 5 | 1.81 |
| (3,28) | 3:C:379:ARG:HD3 | 1:A:109:ARG:HH12 | 5 | 1.81 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 3 | 1.81 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 3 | 1.81 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 14 | 1.79 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 14 | 1.79 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 18 | 1.78 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 18 | 1.78 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 15 | 1.77 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 15 | 1.77 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 5 | 1.76 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 5 | 1.76 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 15 | 1.74 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 11 | 1.7 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 11 | 1.7 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 5 | 1.66 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 13 | 1.65 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 13 | 1.65 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 2 | 1.63 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 6 | 1.62 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 7 | 1.62 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 7 | 1.62 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 20 | 1.58 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 4 | 1.58 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 4 | 1.58 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 16 | 1.58 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 16 | 1.58 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 14 | 1.56 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 20 | 1.54 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 10 | 1.52 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 10 | 1.52 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 13 | 1.51 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 11 | 1.48 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 9 | 1.48 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 9 | 1.48 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 18 | 1.43 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 9 | 1.39 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 8 | 1.35 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 8 | 1.35 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 1 | 1.33 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 12 | 1.33 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 12 | 1.33 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 6 | 1.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 6 | 1.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 6 | 1.28 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 20 | 1.27 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 20 | 1.27 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 7 | 1.27 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 7 | 1.27 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 19 | 1.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 19 | 1.26 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 13 | 1.23 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 13 | 1.23 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 13 | 1.23 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 2 | 1.23 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 7 | 1.22 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 7 | 1.22 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 7 | 1.22 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 2 | 1.22 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 2 | 1.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 17 | 1.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 17 | 1.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 17 | 1.21 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 12 | 1.21 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 19 | 1.21 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 19 | 1.21 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 17 | 1.19 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 17 | 1.19 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 9 | 1.16 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 9 | 1.16 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 9 | 1.16 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 20 | 1.15 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 20 | 1.15 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 8 | 1.14 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 8 | 1.14 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 12 | 1.1 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 12 | 1.1 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 4 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 4 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 18 | 1.09 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 18 | 1.09 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 5 | 1.03 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 5 | 1.03 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 5 | 1.03 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 19 | 1.02 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 18 | 1.0 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 18 | 1.0 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 14 | 0.96 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 14 | 0.96 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 15 | 0.95 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 15 | 0.95 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 15 | 0.95 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 10 | 0.93 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 11 | 0.91 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 11 | 0.91 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 16 | 0.88 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 16 | 0.88 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 16 | 0.88 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 7 | 0.86 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 6 | 0.86 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 6 | 0.86 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD11 | 18 | 0.81 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD12 | 18 | 0.81 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD13 | 18 | 0.81 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 3 | 0.81 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 3 | 0.81 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 17 | 0.78 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 17 | 0.78 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 19 | 0.78 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 19 | 0.78 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 9 | 0.76 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 9 | 0.76 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 2 | 0.75 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 2 | 0.75 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 16 | 0.71 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 16 | 0.71 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD11 | 15 | 0.68 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD12 | 15 | 0.68 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD13 | 15 | 0.68 |
| (3,32) | 3:C:379:ARG:HD3 | 1:A:109:ARG:H | 7 | 0.67 |
| (3,8) | 3:C:377:THR:HA | 1:A:113:VAL:HG21 | 4 | 0.66 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 5 | 0.66 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 5 | 0.66 |
| (3,8) | 3:C:377:THR:HA | 1:A:113:VAL:HG21 | 11 | 0.62 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 1 | 0.57 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 1 | 0.57 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 14 | 0.57 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 14 | 0.57 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 19 | 0.55 |
| (3,12) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG11 | 10 | 0.55 |
| (3,12) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG11 | 10 | 0.55 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 15 | 0.55 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 15 | 0.55 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 4 | 0.54 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 4 | 0.54 |
| (3,11) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG11 | 10 | 0.52 |
| (3,11) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG11 | 10 | 0.52 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 18 | 0.51 |
| (3,32) | 3:C:379:ARG:HD3 | 1:A:109:ARG:H | 8 | 0.49 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 10 | 0.49 |
| (3,9) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG21 | 4 | 0.46 |
| (3,9) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG21 | 4 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 1 | 0.46 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 1 | 0.46 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 1 | 0.46 |
| (3,27) | 3:C:379:ARG:HD3 | 1:A:108:GLU:HG3 | 16 | 0.44 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 13 | 0.44 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 13 | 0.44 |
| (3,9) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG21 | 13 | 0.43 |
| (3,9) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG21 | 13 | 0.43 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 17 | 0.42 |
| (3,12) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG11 | 2 | 0.38 |
| (3,12) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG11 | 2 | 0.38 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 15 | 0.37 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 3 | 0.35 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 10 | 0.34 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 1 | 0.32 |
| (3,20) | 3:C:368:TRP:HE3 | 1:A:66:LEU:HD11 | 10 | 0.29 |
| (3,20) | 3:C:368:TRP:HE3 | 1:A:66:LEU:HD12 | 10 | 0.29 |
| (3,20) | 3:C:368:TRP:HE3 | 1:A:66:LEU:HD13 | 10 | 0.29 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 20 | 0.28 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 20 | 0.28 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 20 | 0.28 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 18 | 0.27 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 15 | 0.26 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD11 | 5 | 0.26 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD12 | 5 | 0.26 |
| (3,19) | 3:C:367:SER:HG | 1:A:66:LEU:HD13 | 5 | 0.26 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 20 | 0.25 |
| (3,10) | 3:C:376:PRO:HG2 | 1:A:113:VAL:HG21 | 11 | 0.24 |
| (3,10) | 3:C:376:PRO:HG3 | 1:A:113:VAL:HG21 | 11 | 0.24 |
| (3,7) | 3:C:342:ALA:HA | 1:A:113:VAL:HG21 | 5 | 0.22 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 3 | 0.21 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 3 | 0.21 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 3 | 0.21 |
| (3,9) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG21 | 16 | 0.19 |
| (3,9) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG21 | 16 | 0.19 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 16 | 0.19 |
| (3,9) | 3:C:376:PRO:HB2 | 1:A:113:VAL:HG21 | 14 | 0.17 |
| (3,9) | 3:C:376:PRO:HB3 | 1:A:113:VAL:HG21 | 14 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:346:ASP:OD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD11 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:C | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:340:ASP:OD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HB3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CA | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CD | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:CZ3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:HG23 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:CG | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CB | 3:C:382:LEU:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:HZ3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HE | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CD | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:HG3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:CG | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:HG23 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:HG3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CG | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:H | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:HB3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:358:HIS:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HB3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD21 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HD3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|---------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HA | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CD | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:NH2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD13 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB2 | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HB3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:HG23 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:377:THR:OG1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:HB3 | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD12 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:345:TRP:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH11 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:NE1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:380:MET:SD | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:N | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:339:ASP:OD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HD2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CD | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|--------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:O | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:344:CYS:SG | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:CB | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:O | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:HG | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:HB3 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:N | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH12 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD1 | 3:C:382:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:339:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:340:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:342:ALA:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:343:ILE:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:344:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CH2 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:345:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:346:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:347:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CE | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|-----------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:348:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:ND1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:358:HIS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:363:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:C | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:366:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:367:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CG | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:CZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:HZ3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:NE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:368:TRP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HD23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:369:LEU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:370:GLU:OE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HE22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:NE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:371:GLN:OE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:372:ASP:OD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:H | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:373:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:374:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:376:PRO:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:CG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG1 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:HG23 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:377:THR:OG1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:378:CYS:SG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:CZ | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HD3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:HH22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:NH2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:379:ARG:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CA | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CE | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HE3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:HG3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:380:MET:SD | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:O | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:381:SER:OG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:C | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CB | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD1 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CD2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:CG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:H | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HA | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB2 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HB3 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD11 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD12 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD13 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD21 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD22 | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HD23 | 2 | 0.17 |

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| Key | Atom-1 | Atom-2 | Model ID | Violation (Å) |
|--------|-----------------|------------------|----------|---------------|
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:HG | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:N | 2 | 0.17 |
| (3,35) | 1:A:63:ASP:OD2 | 3:C:382:LEU:O | 2 | 0.17 |
| (3,18) | 3:C:367:SER:HB2 | 1:A:66:LEU:HD11 | 13 | 0.17 |
| (3,18) | 3:C:367:SER:HB2 | 1:A:66:LEU:HD12 | 13 | 0.17 |
| (3,18) | 3:C:367:SER:HB2 | 1:A:66:LEU:HD13 | 13 | 0.17 |
| (3,8) | 3:C:377:THR:HA | 1:A:113:VAL:HG21 | 13 | 0.16 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 9 | 0.15 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 4 | 0.12 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 1 | 0.12 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 10 | 0.12 |
| (3,13) | 3:C:377:THR:HA | 1:A:113:VAL:HG11 | 3 | 0.11 |
| (1,6) | 3:C:375:CYS:SG | 4:C:901:ZN:ZN | 10 | 0.11 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 2 | 0.11 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 6 | 0.11 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 8 | 0.11 |
| (1,1) | 3:C:341:CYS:SG | 4:C:900:ZN:ZN | 17 | 0.11 |

10 Dihedral-angle violation analysis

No dihedral-angle restraints found